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Applicant Gordon W. Duff et al.

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CM	AA 5,686,246	11/11/97	Kornman et al.	435	6	08/03/95
CM	AB 5,698,399	12/16/97	Duff et al.	435	6	04/05/96

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
CM	AC WO 97/25445	7/17/97	PCT				
CM	AD WO 98/44150	10/8/98	PCT				
CM	AE WO 98/15653	4/16/98	PCT				
CM	AF WO 98/54359	12/3/98	PCT				

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(Including Author, Title, Date, Pertinent Pages, Etc.)

CM	AG	Bailly et al.; " An Intronic Polymorphic Repeat Sequence Modulates Interleukin-1 Alpha Gene Regulation", Molecular Immunology 33(11/12):999-1006 (1996)
	AH	Bailly et al.; " Genetic Polymorphism of Human Interleukin-1 α ", Eur. J. Immunol. 23: 1240-1245 (1993)
	AI	Blakemore et al.; " Association of Graves' Disease with an Allele of the Interleukin-1 Receptor Antagonist Gene ", Journal of Clinical Endocrinology and Metabolism 80(1): 111-115 (1995).
	AJ	Blakemore et al.; " Interleukin-1 Receptor Antagonist Gene Polymorphism as a Disease Severity Factor in Systemic Lupus Erythematosus", Arthritis & Rheumatism 37(9): 1380-1385 (September 1994).
	AK	Clay et al.; " Interleukin-1 Receptor Antagonist Gene Polymorphism Association with Lichen Sclerosus", Hum. Genet. 94: 407-410 (1994).
	AL	Copeman et al.; "Linkage Disequilibrium Mapping of a Type 1 Diabetes Susceptibility Gene (IDDM7) to Chromosome 2q31-q33", Nature Genetics 9: 80-85(1995).
	AM	Cork et al.; " Genetic Control of Cytokines ; Cytokine Gene Polymorphisms in Alopecia Areata ", Dermatologic Clinics 14(4): 671-678 (October 1996)
	AN	Cox et al.; " An Analysis of Linkage Disequilibrium in the Interleukin-1 Gene Cluster, Using a Novel Grouping Method for Multiallelic Markers", Am. J. Hum. Genet. 62:1180-1188(1998)
	AO	Guash et al.; " Five Novel Intragenic Dimorphism in the Human Interleukin-1 Genes Combine to High Informativity", Cytokine 8(8): 598, (1996)
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	AX	Nicklin et al.; "A Physical Map of the Region Encompassing the Human Interleukin-1 α , Interleukin-1 β , and Interleukin-1 Receptor Antagonist Genes", <i>Genomics</i> 19: 382-384 (1994).
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	AZ	Andus, T. et al., "IL-1ra genotype 2 is associated with reduced IL-1ra in colonic mucosa", <i>Gastroenterology</i> , 108:A3070 (1996).
	BA	Andus, T. et al., "Imbalance of the interleukin 1 system in colonic mucosa--association with intestinal inflammation and interleukin 1 receptor antagonist genotype 2", <i>Gut</i> , 41:651-657 (1997).
	BB	Bioque, G. et al., "Allelic polymorphism in IL-1 β and IL-1 receptor antagonist genes in inflammatory bowel disease", <i>Clinical and experimental Immunology</i> , 102:379-383 (1995).
	BC	Blakemore, A. et al., "Interleukin-1 receptor antagonist allele (IL1RN*2) associated with neuropathy in diabetes mellitus", <i>Human Genetics</i> , 97:374 (1996).
	BD	Clay, F. et al., "Novel interleukin-1 receptor antagonist exon polymorphisms and their use in allele-specific mRNA assesment", <i>Human Genetics</i> , 97:723-726 (1996).
	BE	Cork, M.J. et al., "An allele in of the interleukin-1 receptor antagonist as a genetic severity factor in alopecia areata", <i>J. Investigative Dermatology</i> , 104:15S-16S (1995).
	BF	Cox, A. et al., "An analysis of Linkage Disequilibrium in the Interleukin-1 Gene Cluster, Using a Novel Grouping Method for Multiallelic Markers", <i>Am. J. Hum. Genet.</i> , 62:1180-1188 (1998).
	BG	Crusius, J.B.A. et al., "Interleukin-1 receptor antagonist gene polymorphism and multiple sclerosis", <i>Lancet</i> , 346:979-980 (1995).
	BH	Cuddihy, R. et al., "Lack of association between alleles of interleukin-1 alpha and interleukin-1 receptor antagonist genes and Graves' disease in a North American Caucasian population" <i>J. of Clinical Endocrinology & Metabolism</i> , 81:4476-4478 (1996).
	BI	Diehl, S. et al., "Interleukin-1 genotypes and the risk of early onset periodontitis- a family based study of linkage disequilibrium", <i>J. Dental Research</i> , 77 Suppl. :195 (1998).
	BJ	Duerr, R.H. et al., "Association between ulcerative colitis and a polymorphism in intron 2 of the interleukin-1 receptor antagonist gene", <i>Gastroenterology</i> , 108:A812 (1995).
	BK	Eastell, R. et al., "IL-1 receptor antagonist genotype as a predictor of bone loss in postmenopausal women", <i>Bone</i> , 23 (5s):S375 (1998).
	BL	Eastell, R. et al., "IL-1 receptor antagonist genotype is associated with a low bone mineral density in postmenopausal women", <i>Bone</i> , 23 (5S):S375 (1998).
	BM	Engelbreton, S.P. et al., "The influence of interleukin-1 (IL-1) gene polymorphisms on expression of IL-1 β and tumor necrosis factor alpha (TNF α) in periodontal tissue and gingival crevicular fluid", <i>J. Periodontology</i> (1998).
	BN	Freedman, B. I. et al., "Genetic linkage analysis of growth factor loci and end-stage renal disease in African Americans", <i>Kidney International</i> , 51(3):819-825 (1997).
V	BO	Friedlander, R. M. et al., "Inhibition of ICE slows ALS in mice", <i>Nature</i> , 388:31 (1997).

CM	BP	Gore, E.A. et al., "Interleukin-1 β ³⁹⁵³ allele 2: association with disease status in adult periodontitis", <i>J. Clin. Periodontology</i> , 25:781-785 (1998)
	BQ	Herron, L.T. et al., "IL-1 receptor antagonist as a potential new therapeutic agent for osteoporosis: a computer simulation model of bone remodeling and osteoporosis", <i>Bone</i> , 23 (5S): S620 (1998).
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	BT	Keen, R.W. et al., "Allelic variation at the interleukin-1 receptor antagonist gene is associated with early postmenopausal bone loss at the spine", <i>Bone</i> , 23:367-371 (1998).
	BU	Louis, E. et al., "Cytokine gene polymorphism in inflammatory bowel diseases", <i>Gut</i> , 39:705-710 (1996).
	BV	Mandrup-Poulsen T. et al., "Monokine antagonism is reduced in patients with IDDM", <i>Diabetes</i> , 43:1242-1247 (1994).
	BW	McGuire M.K. et al., "Prognosis versus actual outcome. IV. The effectiveness as clinical parameters and IL-1 genotype in accurately predicting prognosis and tooth survival", <i>J. Periodontology</i> , (1998)
	BX	Muhlberg, T. et al, "Lack of Association of Graves' Disease with the A2 Allele of the Interleukin-1 Receptor Antagonist in a White European Population", <i>European J. of Endocrinology</i> , 138:686-690 (1998).
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	BZ	Okada, H. et al., "Cytokine expression in periodontal health and disease", <i>Critical Reviews in Oral Biology & Medicine</i> , 9:248-266 (1998).
	CA	Stokkers, P.C.F. et al., "Five genetic markers in the interleukin-1 family in relation to inflammatory bowel disease", <i>Gut</i> , 43:33-39 (1998).
	CB	Suzuki, H. et al., "Interleukin-1 receptor antagonist gene polymorphism in Japanese patients with systemic lupus erythemateous", <i>Concise Communications</i> , 389-390.
	CC	Tarlow, J. et al., "Association between interleukin-1 receptor antagonist (IL-1ra) gene polymorphism and early and late-onset psoriasis", <i>British Journal of Dermatology</i> , 148-149 (1997).
	CD	Tarlow, J.K. et al., "Severity of Alopecia areata is associated with a polymorphism in the interleukin-1 receptor antagonist gene", <i>J. Invest. Dermatol.</i> 103: 387-390 (1994).
	CE	Tarnow, L. et al., "Polymorphisms in the interleukin-1 gene cluster do not contribute to the genetic susceptibility of diabetic neuropathy in Caucasian patients with IDDM", <i>Diabetes</i> , 46:1075-1076 (1997).
	CF	Clark et al., "Genomic Sequence for Human Prointerleukin I beta: Possible Evolution from the a Reverse Transcribed Prointerleukin I alpha Gene", <i>Nucleic Acids Research</i> , 14 (20): 7897- 7914 (1986).
	CG	Di Giovine et al., "Single Base Polymorphism at -511 in the Human Interleukin-1 β Gene (IL1 β)", <i>Human Molecular Genetics</i> , 1 (6): 450 (September 1992).
	CH	Clay, et al., "Novel Interleukin-1 Receptor Antagonist Exon Polymorphisms and their use in Allele-specific mRNA Assessment", <i>Hum. Genet.</i> 97 (6): 723-726 (June 1996).
	CI	Duff, "Molecular Genetics of Cytokines", <i>The Cytokine Handbook</i> (1994 2 nd ed., chap. 2 :21-30.
↓	CJ	International Search Report Completed on April 04, 2001 and mailed on July 12, 2001

EXAMINER

/Carla Myers/

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Modified Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Application Number	10/802,061
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	First Named Inventor	Duff
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	Examiner Name	Carla J. Myers
	Attorney Docket Number	24299-508 CON3

U.S. PATENT DOCUMENTS

Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate

U.S. PUBLISHED APPLICATION DOCUMENTS

Exam Initials	Cite No.	U.S. Published Application No.	Published Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate
CM	*A1	2003/0152947 A1	08/14/03	Crossman et al.	435	6	
CM	*A2	2003/0235890 A1	12/25/03	Wyllie et al.	435	69.52	

FOREIGN PATENT DOCUMENTS

Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes No

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
CM	C1	Dennis et al. <i>J. Physiol.</i> , 560(3):617-626 (2004)
CM	C2	Kornman et al. <i>J. Periodont. Res.</i> , 34(7):353-357 (1999)
CM	C3	International Search Report for PCT/US2005/015267, mailed December 30, 2005.

* By the waiver of 37 CFR 1.98(a)(2)(i) copies of the U.S. Published Applications A1-A2 are not submitted.

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